

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000656**Date Inspected:** 03-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (Bill) Oak			Quality Control Present:	Yes	No
Material transfer:	Yes	No	N/A	Sampled Items:	Yes	No N/A
Stock Transfer:	Yes	No	N/A	OK to Cut:	Yes	No N/A
Rebar Test Witness:	Yes	No	N/A	Delayed/Cancelled:	Yes	No N/A
Other:	Surface Preparation and Coatings Application					
Bridge No:	34-0006			Component:	OBG CB4, Tower L1E, Misc. Metal	
Bid Item:	77,78,79,80			Lot No:	B226	

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

The following inspections were performed by Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisors William (Bill) Oak and Don Walton, ABF QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li.

OBG Trial Assembly

Caltrans QA Coatings Inspectors received a Notice of Inspection to attend a joint inspection with ABF and ZPMC QC for surface preparation by abrasive blasting. The inspection consisted of looking at the blasted surfaces of U ribs on the interior of 3BW, 4BW and 4AW, 5AW weld seam area repairs. Upon arrival the ambient conditions were checked. The ambient conditions did not meet the contract requirements. The dew point temperature was less than the required 3°C minimum. The inspection was canceled.

OBG Cross Beam 4 (CB4)

Caltrans QA Coatings Inspectors received a Notice of Inspection to attend a joint inspection with ABF and ZPMC QC for surface preparation by abrasive blasting. The inspection consisted of looking at the blasted surfaces of CB4. CB4 was not ready for inspection. After looking at the abrasive blasted surfaces it was determined by ABF that

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

the base metal did not meet the SSPC SP10 Near White Metal Contract requirements. ZPMC was informed that the blast was not acceptable. Abrasive blasting continued.

Tower Lift 1East

Caltrans Structural Materials Representative (SMR) Andrew Ferng requested that Caltrans QA Coatings Inspector Jordan take some pictures of the issues inside of Tower Lift 1East for an incident report he was writing. Mr. Jordan took the pictures and emailed them to Mr. Ferng.

Miscellaneous Metal

Caltrans QA Coatings Inspectors received a Notice of Inspection to attend a joint inspection with ABF and ZPMC QC for surface preparation by abrasive blasting. The inspection consisted of looking at the blasted surfaces of 738 splice plates and 20 crane rail components. After looking at the abrasive blasted surfaces it was determined by ABF that the base metal did not meet the SSPC SP10 Near White Metal Contract requirements. ZPMC was informed that further grinding and abrasive blasting was required.

Fabrication on assembled components of the OBG's and Towers are not complete. Outstanding weld repairs have not been performed. Coating damage requiring re-blast is expected.



Summary of Conversations:

There were no relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
